

(b) Movements of Temporomandibular joint and muscles producing them.

7. Write short notes on the following : 3x3=9

- (a) Arterial supply of Teeth
- (b) External Jugular vein
- (c) Bar Body

Part I : Explain the anatomical basis of the following :

2x2=4

- 8. (a) Pinching of pimples in the region of upper lip may result in cavernous sinus thrombosis.
- (b) Bilateral involvement of deep cervical lymph nodes in unilateral carcinoma of lip of tongue.

Part II : Enumerate the following : 2x3=6

(Description and diagram not required)

- (a) Muscles forming floor of posterior triangle.
- (b) Skeletal derivatives of mesoderm of first pharyngeal arch.
- (c) Diseases inherited by X-linked recessive mode.

cartilage that may later form Meckel's cartilage (inferior malleus)

P (Printed Pages 4)
(21110)
Roll No.

B.D.S. I Prof.

5135 (N)

B.D.S. Examination Nov. 2010

Human Anatomy Embryology, Histology

Medical Genetics

Paper - I

(BDS - 01)

(New)

Time : Three Hours / [Maximum Marks : 70]

Note : All questions are compulsory. Write part-A and

Part-B in separate copies. Draw diagrams

wherever necessary.

Part 'A'

1. Describe the position, parts, relations, blood supply and applied anatomy of Thyroid gland. 8

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P.T.O.

2. Describe the boundaries of Carotid Triangle and enumerate its contents. 8

3. Write short notes on the following : 3x3=9

- (a) Microanatomy of Parotid gland.
- (b) Submandibular Ganglion and its connections.
- (c) Cricothyroid muscle.

4. Write the correct answers of the following multiple choice questions : 2x5=10

I. Which of the following nuclei does not supply muscles derived from pharyngeal arches?

- (a) Motor Nucleus of Facial
- (b) Nucleus Ambiguus
- (c) Hypoglossal nucleus
- (d) Motor nucleus of Trigeminal

II. Facial nerve does not supply :

- (a) Parotid gland
- (b) Lacrimal gland
- (c) Anterior lingual glands
- (d) Mucous glands of nose

III. All of the following are branches of Vertebral artery except.

- (a) Anterior spinal

- (b) Posterior spinal
 - (c) Posterior inferior cerebellar
 - (d) Anterior inferior cerebellar
- IV. Median atlanto-axial joint permits :
- (a) Flexion and extension of head
 - (b) Side to side rotation of head
 - (c) Hyper extension of head
 - (d) Lateral flexion of neck
- V. Maxillary nerve leaves middle cranial fossa through :

- (a) Foramen Lacerum
- (b) Foramen Ovale
- (c) Foramen Rotundum
- (d) Foramen Spinosum

Part - 'B'

5. Describe the development of Palate. Add a note on its anomalies. 8

6. Give an account of the following: 4x2=8

- (a) Internal capsule

- (b) Posterior Belly of Digastric
- (c) Hyoglossus
- (d) Palato Glossus
- (2) Anterior Tympanic Artery Enters through:
- (a) Squamotympanic fissure
- (b) Petrotympanic fissure
- (c) Stylohyoid Foramen
- (d) Mastoid Canaliculus
- (3) The thyroid gland weighs about:
- (a) 15 gms.
- (b) 20 gms.
- (c) 25 gms.
- (d) 30 gms.
- (4) The foramen of supination of radius is:
- (a) Deloid
- (b) Supinator
- (c) Biceps Brachii
- (d) Brachialis
- (5) Which of the following structures passes between the base of skull and upper concave border of superior constrictor.
- (a) Ascending Pharyngeal Artery
- (b) Maxillary Artery
- (c) Maxillary Artery
- (d) Ascending Palatine Artery

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B.D.S. I Prof.
(Printed Pages 4)
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B.D.S. Examination, July 2010

Paper - I

Human Anatomy, Embryology

Histology & Medical Genetics

(BDS-01N)

Time: Three Hours] [Maximum Marks: 70

Note: Attempt all questions of Part-A and Part-B. Use separate copy for Part-A and Part-B. Draw diagrams wherever necessary.

Part-A

1. Describe the Relations and Nerve Supply of Submandibular Salivary Gland. 8
2. Describe the Nerve Supply of Face. 8
3. Write short notes on: 3x3=9
- (a) Cleavage

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(b) Styloid Process

(c) Micro Anatomy of Hyaline Cartilage

4. Write the correct answers of the following Multiple Choice Questions : 2x5=10

(1) All are the branches of external Carotid Artery except : 2x5=10

(a) Superior Thyroid Artery

(b) Lingual Artery

(c) Ascending Pharyngeal Artery

(d) Middle Meningeal Artery

(2) Which of the following structures passes through mandibular foramen?

(a) Lingual Nerve

(b) Inferior Alveolar Nerve

(c) Auriculo-temporal Nerve

(d) Infraorbital Nerve

(3) Which of the Cranial Nerve leaves through Jugular Foramen?

(a) Fifth Cranial Nerve

(b) Seventh Cranial Nerve

(c) Eighth Cranial Nerve

(d) Tenth Cranial Nerve

(4) Loop of the Lingual Artery is crossed by :

(a) Facial nerve

(b) Hypoglossal Nerve

(c) Mandibular Nerve

(d) Glossopharyngeal Nerve

(5) Which of the following Arteries is damaged during surgical removal of submandibular gland.

(a) External Carotid Artery

(b) Internal Carotid Artery

(c) Facial Artery

(d) Transverse Facial Artery

Part B

1. Describe the extra ocular muscles. Add a note on the applied anatomy of these muscles. 8

2. Enumerate : 2x4=8

(i) Muscles supplied by radial nerve

(ii) Derivatives of 2nd Pharyngeal Arch

(iii) Features of Homer's Syndrome

(iv) Opening in middle meatus of nose

3. Write short notes on : 3x3=9

(a) Development of Thyroid Gland

(b) Micro-anatomy of Thymus Gland

(c) Posterior Cord of Brachial Plexus

4. Write the correct answers of the following multiple choice questions. 2x5=10

(1) Which of the following muscles is the Key muscle of submandibular region?

(a) Styloglossus

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